

ANNEX

Identification number of the additive	Name of the holder of authorisation	Additive	Composition, chemical formula, description, analytical method.	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						Units of activity /kg of complete feedingstuff with a moisture content of 12%			
Category of zootechnical additives. Functional group: digestibility enhancers.									
4a9	Aveve NV	Endo-1,4-beta-xylanase (EC 3.2.1.8) and Endo-1,3(4)-beta-glucanase (EC 3.2.1.6)	<p>Additive composition: Preparation of endo-1,4-beta-xylanase (EC 3.2.1.8) and endo-1,3(4)-beta-glucanase (EC 3.2.1.6) having a minimum activity of 40000 XU¹/g and 9000 BGU²/g in solid and liquid form</p> <p>-----</p> <p>Characterisation of the active substances: Endo-1,4-beta-xylanase (EC 3.2.1.8) produced by <i>Trichoderma longibrachiatum</i> MUCL 49755 and endo-1,3(4)-beta-glucanase (EC 3.2.1.6) produced by <i>Trichoderma longibrachiatum</i> MUCL 49754</p> <p>-----</p> <p>Analytical method³ Characterisation of the active substance in the additive: — colorimetric method based on reaction of dinitrosalicylic acid on reducing sugar produced by action of endo-1,4-beta-xylanase on a xylan containing substrate;</p>	chickens for fattening	-	3000 XU 675 BGU	-	<ol style="list-style-type: none"> In the directions for use of the additive and premixture, indicate the storage temperature, storage life, and stability to pelleting. For use in feed rich in starch and non-starch polysaccharides (mainly beta-glucans and arabinoxylans). For users of the additive and premixtures, feed business operators shall establish operational procedures and appropriate organisational measures to address potential risks by inhalation and dermal contact. Where those risks cannot be 	[10 years from the date of entry into force of this Regulation. To be completed by the Service responsible for the publication]

¹ 1 XU is the amount of enzyme which liberates 1 micromole of reducing sugars (xylose equivalents) per minute from xylan of oat spelt at pH 5.0 and 50°C.

² 1 BGU is the amount of enzyme which liberates 1 micromole of reducing sugars (cellobiose equivalents) per minute from β-glucan of barley at pH 4.8 and 50°C.

³ Details of the analytical methods are available at the following address of the Reference Laboratory: http://irmm.jrc.ec.europa.eu/EURLs/EURL_feed_additives/Pages/index.aspx

			<ul style="list-style-type: none"> — colorimetric method based on reaction of dinitrosalicylic acid on reducing sugar produced by action of endo-1,3(4)-beta-glucanase on a β-glucan containing substrate. <p>Characterisation of the active substances in the feed</p> <ul style="list-style-type: none"> — colorimetric method measuring water soluble dye released by action of endo-1,4-beta-xylanase from dye cross-linked wheat arabinoxylan substrate; — colorimetric method measuring water soluble dye released by action of endo-1,3(4)-beta-glucanase from dye cross-linked barley betaglucan substrate. 					<p>eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment.</p>	
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